

LiMPETS Teacher Workshop

Long-term Monitoring Program and Experiential
Training for Students

March 3-6, 2005



**Are you interested in learning about rocky intertidal and sandy beach monitoring techniques?
Would you like to set up a field monitoring site with your students?**



Students learn to identify marine species during rocky intertidal monitoring. Photo Credit: Claire Johnson/NOAA

*Hosted by Channel Islands
National Marine Sanctuary at
El Capitan Canyon outside of
Santa Barbara, CA.*

*The West Coast LiMPETS
Teacher Workshop will likely
include a field trip out to the
Channel Islands aboard the
research vessel Shearwater.*



NOAA Ocean Service

If so, we invite you to apply for the 2005 West Coast LiMPETS Teacher Workshop. The five West Coast National Marine Sanctuaries (Olympic Coast, Cordell Bank, Gulf of the Farallones, Monterey Bay and Channel Islands) are working together to use field-based workshops and emerging technologies to engage middle and high school teachers and students in marine monitoring efforts. The LiMPETS network supports these activities with teacher training opportunities, classroom and field toolkits for check out, and a web site and online databases.

The three-day workshop in March 2005 will include:

- An introduction to rocky intertidal and sandy beach monitoring techniques with invited expert speakers
- A field trip to a sandy beach site to collect data
- A cruise to Anacapa Island to a rocky intertidal site to collect data
- Instruction for entering data into an online databases
- Guidance for setting up your own marine monitoring program with your students

We are seeking dedicated teachers that want to engage their students in long-term field monitoring studies to participate in the workshop. If you are interested in this exciting opportunity, please fill out the attached application and submit it by **January 14, 2005**.

A workshop registration fee of \$50 includes materials, bunk style lodging at El Capitan Canyon with meals, boat trip to the Channel Islands, substitute money and local transportation to monitoring sites.

The West Coast LiMPETS Teacher Workshop is valued at \$240.

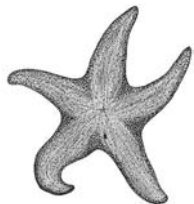


One of the species you and your students will be monitoring, *Emerita analoga*. Photo credit: Matthew Sata

Please Submit Application to:

**Lisa Emanuelson
Monterey Bay
National Marine Sanctuary
299 Foam Street
Monterey, CA 93940**

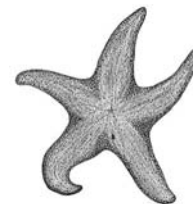
**Email: lisa.emanuelson@noaa.gov
Phone: 831.372.7918
Fax: 831.647.4250**



West Coast LiMPETS Teacher Workshop

March 3-6, 2005

Application



Presented by NOAA's West Coast National Marine Sanctuaries (Olympic Coast, Cordell Bank, Gulf of the Farallones, Monterey Bay, and the Channel Islands), and the Farallones Marine Sanctuary Association.

Application must be postmarked by January 14, 2005

Final selection of participants will be made by February 1, 2005

NAME _____

HOME ADDRESS _____

MAILING ADDRESS FOR MATERIALS _____

EMAIL ADDRESS _____

HOME PHONE _____ FAX NUMBER _____

SCHOOL NAME _____

SCHOOL ADDRESS _____

SCHOOL PHONE _____ SCHOOL FAX _____

SCHOOL DISTRICT _____

PRINCIPAL'S NAME _____

GRADES AND CLASSES YOU TEACH _____

YEARS OF TEACHING EXPERIENCE _____

ACADEMIC DEGREES EARNED:

Institution	Year	Degree	Major
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

COMPUTER RESOURCES AT YOUR SCHOOL OR WORKPLACE

Do you have access to a computer at your school? Yes / No (circle one)

Do you have an Internet connection at your school? If so, what type? (circle one)

Modem 14K 28.8K 56K T1 Other _____

Do you currently integrate marine science into your classroom? Yes / No (circle one)

A. On a separate sheet of paper, please describe the following:

- Classroom materials or fieldwork you have used or developed in relation to the oceans or marine sanctuaries and any field monitoring experience you have
- Any other duties that you fulfill in your school district (e.g., curriculum development, administration)
- Any significant leadership responsibilities you have in professional science teacher associations, in-service education and curriculum development

B. Include a one-page summary of how you propose to incorporate the LiMPETS monitoring into your curriculum during the 2005-2006 school year and beyond.

C. Please include a letter from your supervisor or administrator in support of your participation in the West Coast LiMPETS Teacher Workshop.

D. Workshop participants must be in good physical condition to negotiate a skiff landing on a boulder beach during the rocky intertidal monitoring cruise.

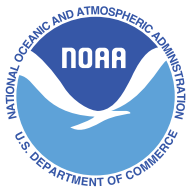
E. Send a check in the amount of \$50 payable to National Marine Sanctuary Foundation (NMSF) to the address listed on the front page. The fee covers materials, lodging at El Capitan Canyon, meals, local transportation, boat trip to the Channel Islands and substitute money.

Statement of Intent

I understand that if I am selected and agree to participate in the West Coast LiMPETS Teacher Workshop, I will be expected to attend the March 3-6, 2005 workshop. If I must cancel, I will send written notification to the address listed on the first page of this application by February 15, 2005. No checks will be refunded after February 15, 2005. I also agree to set up a field monitoring program with my students and input data into the LiMPETS online database by the end of the 2005-2006 school year.

Signature

Date



<http://limpets.noaa.gov>

